CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No.15/KMR/CSR.01/746e/CUBE/2014-15 22.02.2015

TEST REPORT ON COMPRESSIVE STRENGHT OF CONCRETE CUBES

*** Customer** : **Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. K. Madava Reddy,**
No.900, Bagalagunte, Muneshwara Layout, Bangalore.

*** Name of the work** : Improvements and Construction of CC Road and Drain at Prashantha Nagara 1st and 2nd Cross Road connected to S. Ramesh Road in Dasarahalli Ward No.15, BBMP, Bangalore.

*** Reference** : BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 20.01.2015

*** Sample ID** : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{15}

Compressive Strength as o : 28^{th} day

Sample Received on : 22.02.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.01.2015	22.02.2015	8.129	359.6	15.98
2	25.01.2015	22.02.2015	8.258	365.4	16.24
3	25.01.2015	22.02.2015	8.332	370.2	16.45

Note:

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VISHWANATH. I.A.
Chief Executive Officer

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{15}

Compressive Strength as o : 28^{th} day

Sample Received on : 23.02.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.01.2015	23.02.2015	8.110	352.4	15.66
2	26.01.2015	23.02.2015	8.299	369.3	16.41
3	26.01.2015	23.02.2015	8.310	382.6	17.00

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Job No.: CTCE/BBMP/W.No.15/KMR/CSR.01/746e/CUBE/2014-15 24.02.2015

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*** Reference** : BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 20.01.2015

*** Sample ID** : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{15}

Compressive Strength as o : 28^{th} day

Sample Received on : 24.02.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.01.2015	24.02.2015	8.098	355.9	15.82
2	27.01.2015	24.02.2015	8.129	372.5	16.56
3	27.01.2015	24.02.2015	8.342	389.6	17.32

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*** Sample ID** : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{15}

Compressive Strength as o : 28^{th} day

Sample Received on : 25.02.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.01.2015	25.02.2015	8.215	355.5	15.80
2	28.01.2015	25.02.2015	8.335	365.4	16.24
3	28.01.2015	25.02.2015	8.417	378.7	16.83

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Job No.: CTCE/BBMP/W.No.15/KMR/CSR.01/746e/CUBE/2014-15 26.02.2015

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*** Reference** : BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 20.01.2015

*** Sample ID** : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{15}

Compressive Strength as o : 28^{th} day

Sample Received on : 26.02.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.01.2015	26.02.2015	8.219	355.6	15.80
2	29.01.2015	26.02.2015	8.375	368.5	16.38
3	29.01.2015	26.02.2015	8.479	382.5	17.00

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Job No.: CTCE/BBMP/W.No.15/KMR/CSR.01/741d/Precast Slab/2014-15 16.02.2015

CEMENT CONCRETE CORE (PRECAST SLAB) TEST REPORT

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. K. Madava Reddy,** No.900, Bagalagunte, Muneshwara Layout, Bangalore.
* Name of work	:	Improvements and Construction of CC Road and Drain at Prashantha Nagara 1st and 2nd Cross Road connected to S. Ramesh Road in Dasarahalli Ward No.15, BBMP, Bangalore.
Reference	:	BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 20.01.2015
Techinical Reference	:	IS:516-1959 (Reaffirmed 2008), SP-24:1983.
Sample ID	:	Precast Slab
Sample Received on	:	11.02.2015
Date of Testing	:	16.02.2015

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	75.00	0.370	2512.53	1.50	0.955	32.3	16.45	17.76	16.96	21.20
2	50.00	76.00	0.378	2533.08	1.52	0.960	32.6	16.58	17.91	17.19	21.49
3	50.00	77.00	0.389	2572.94	1.54	0.955	32.9	16.77	18.11	17.29	21.62

* Information is furnished by the Customer/Representative

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